

### **Abstract**

**[0051]** An analysis device for analyzing a plate having a first side and a second side comprises a plate holder for holding the plate and an excitation source positioned on the first side of the plate under the plate holder. The laser source generates an excitation beam through the plate. The excitation beam forms an imaging beam on the second side of the plate. An optical assembly is positioned on the second side of the plate and receives the imaging beam. A detector is disposed adjacent to the optical assembly and receives the imaging beam and forms an image of the plate therein.